



A.D. 1868, 6th MARCH. N° 783.

Feeding Bottles.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Thomas Atkins at the Office of the Commissioners of Patents, with his Petition, on the 6th March 1868.

I, THOMAS ATKINS, of 62, Fleet Street, in the City of London,
5 Engineer, do hereby declare the nature of the said Invention for
“IMPROVEMENTS IN FEEDING BOTTLES FOR INFANTS AND INVALIDS,” to be as follows :—

This Invention has for its object the so constructing feeding bottles that fluid may be withdrawn from the bottle without any air being
10 allowed to enter therein. For this purpose I form the bottle in two parts, one fitting but capable of sliding within the other. The outer portion of the bottle is by preference of a cylindrical form, and is closed at its upper end, this end being either fitted with a teat or nipple, or with a flexible tube carrying a nipple at its extremity. The bottom of
15 the outer portion of the bottle is open, and through this open end is slid a corresponding cylindrical vessel by preference of equal or greater length, and which is also closed at its upper end; the top of this inner cylinder thus forms the bottom of the bottle; an opening is formed through it fitted with a short flexible tube, and through this

Atkins' Improvements in Feeding Bottles.

tube the bottle is filled. When the bottle has been filled the passage through the tube or opening is closed by a valve or otherwise. When the bottle is to be filled the inner cylinder is pressed up to the closed end of the outer cylinder. The end of the tube which opens into the bottom of the bottle is inserted into the fluid with which the bottle is 5 to be filled, the bottom is then drawn away from the top and the bottle fills with fluid. Suitable provision is made for retaining the two cylinders from entirely separating when the bottle is in use, and yet for allowing the two parts to be separated for cleaning; or I take a cup or glass cylinder and apply a piston with a nipple for attaching a tube 10 thereto, to be made of any elastic material capable of being pressed to the bottom of said cylinder or bottle, thus forming a complete pneumatic apparatus, by which any partial vacuum may be capable of sucking up the fluid from beneath the said piston, which I term the pneumatic feeding apparatus or bottle for infants or invalids. 15

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